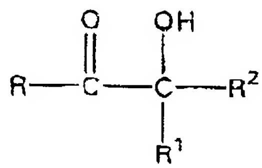
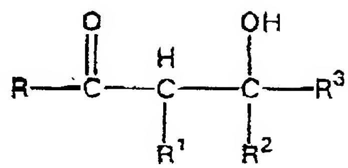
ABSTRACT


(I)


(II)

The application of carbonyl compounds in the process of tanning hides, including the use of selected α-hydroxyl ketones that present a general formula as (I) where R may be a linear or ramified alkyl group or even aromatic group and R^1 and R^2 may be hydrogen, linear or ramified alkyl or even aromatic, as, for example, $R^1 = R^2 = H$ and $R = CH_2CH_3$ or, preferentially. $R^1 = R^2 = H$ and $R = -CH_3$, or still, the use of selected β-hydroxyl ketones presenting a general formula as (II) where R may be a linear or ramified alkyl group or even aromatic group as. for example, R, R^1 and $R^2 = -CH_3$ and $R^3 = H$, preferentially R, R^2 and $R^3 = -CH_3$, and $R^1 = H$. The application of carbonyl compounds in the process of tanning hides, with the possibility of using a water solution, in concentrations that may vary from 0.1% till its pure state, that is, 100%, or still, in mixtures with other organic compounds acting as dilutents.